

TABLE 2-16. DESCRIPTION OF SURFACE WATER RESOURCES

Resource	Section (A)	Sheet Number (1)	Flow Regime	Width/Depth Average in Meters (Feet)	Substrate	Use Support Assessment (B)	Woody Riparian Habitat	Predominant Fish Species
MISSISSIPPI RIVER BASIN								
Hughlett Branch	A-B	3	Intermittent	2.3 / 0.3 (7.4 / 0.8)	mostly cobble with some gravel and sand	X1, X20	Present	Central stoneroller, Common shiner, Southern redbelly dace*
Galena River	A-B	5	Permanent	15.6 / 0.5 (52.2 / 1.7)	mud, sand and some gravel	N42, P1, P20, P21	Present	Spotfin shiner, Common shiner, River Shiner, Sand shiner, Bluntnose minnow *
Unnamed Tributary to Galena	A-B	6	Permanent	N/A	N/A	N/A	N/A	N/A
Smallpox Creek	A-B	9	Permanent	8.8 / 0.4 (28.7 / 1.2)	Gravel and Sand with some cobble and fine silt	X1, X20	Present	Common shiner, Hornyhead chub, Rosyface shiner, Bluntnose minnow, Creek chub, Fantail darter, Freshwater drum *
Unnamed Tributary Smallpox Creek	A-B	9	Permanent	N/A	N/A		N/A	N/A
East Fork of Galena River	N/A	N/A	Permanent	9.0 / 0.6 (29.5 / 1.8)	bedrock overlain with silt		Present	Common shiner, Ozark minnow ^{WL}
Irish Hollow Creek	N/A	21	Permanent	3.5 / 0.3 (11.5 / 0.9)	Mud with some sand, gravel and cobble in some areas.		Present	Central stoneroller, Southern redbelly dace, Creek chub, Fantail darter *
Long Hollow Creek	N/A	27	Permanent	2.7 / 0.2 (8.7 / 0.7)	Gravel and sand with some silt		Absent	Central stoneroller, Creek chub *
Snipe Hollow Creek	N/A	28	Permanent	N/A	N/A		N/A	Common Shiner, Creek chub, Fantail darter, Freshwater drum *
Furnace Creek	B-F, B-F	29, 30	Permanent	5.0 / 0.4 (16.4 / 1.1)	Cobble over hard packed gravel with fine silt covering bottom	F1, F20	Absent	Common shiner, Bluntnose minnow, Creek chub, Fantail darter, Freshwater drum *
Wolf Creek	D-E	63	Permanent	1.8 / 0.2 (5.8 / 0.8)	Gravel	X1, X20	Absent	Central stoneroller, Southern redbelly dace, Creek chub *
Apple River	B-D, B-D, B-F, C-D, C-I	24, 24, 32, 38, 39	Permanent	22.5 / 1.0 (73.8 / 3.3)	Mud	F1, F20, F21, N42	Present	Black redbhorse**, Common shiner, Ozark minnow ^{WL} , Rosyface shiner, Fantail darter, Freshwater drum *
Little Rush Creek	N/A	N/A	Permanent	N/A	N/A	X1, X20	N/A	N/A
Welsh Hollow Creek	N/A	N/A	Permanent	N/A	N/A		N/A	N/A
Rush Creek	C-I, H(North), G-H(South)	47, 79, 86	Permanent	5.5 / 1.0 (18.0 / 3.3)	Cobble with gravel and silt. Some streambanks had muddy clay		Absent	Common shiner, Hornyhead chub, Southern redbelly dace, Bluntnose minnow, Fantail darter, Freshwater drum *
Rindesbacher Creek	N/A	49	Permanent	1.3 / 0.2 (4.3 / 0.5)	Cobble, gravel and silt	X1, X20	Present	Green sunfish *
Mud Run	G-H(North), G-H(South)	82, 88	Permanent	N/A	N/A	X1, X20	N/A	N/A
	G-H	82, 88	Intermittent	N/A	N/A		N/A	N/A
Plum River	N/A	N/A	Permanent	N/A	N/A		N/A	Central stoneroller **
ROCK RIVER BASIN								
Mill Creek	N/A	N/A	Permanent	N/A	N/A		N/A	N/A
Tributary A (Yellow Creek)	C-I, H-J	53, 93	Permanent	N/A	N/A		N/A	Bigmouth shiner, Brooke Stickelback, Freshwater drum *
Yellow Creek	C-I, H-J	54, 94	Permanent	7.0 / 0.4 (22.9 / 1.2)	Cobble, mud, gravel and some fine silt in some spots	P1, P20	Present	Bigmouth shiner, Sand shiner, Freshwater drum, Redfin shiner, Bluntnose minnow, Creek chub *
Tributary B (Yellow Creek)	C-I, H-J	56, 96	Intermittent	N/A	N/A		N/A	N/A
Tributary C (Yellow Creek)	C-I, C-I, H-J	58, 59, 59, 97	Permanent	5.0 / 0.7 (16.4 / 2.4)	Firm clay with occasional cobble and some silty mud		Present	Central stoneroller, Bluntnose minnow, White sucker, Fantail darter, Freshwater drum *
Tributary D (Yellow Creek)	N/A	94	Intermittent	4.7 / 0.3 (15.4 / 0.9)	Mud and gravel with some cobble, overlain with some silt		Present	N/A
Unnamed Tributary Waddams Creek	H-J	99	Intermittent	N/A	N/A	F1, F20	N/A	N/A
Unnamed Tributary Pecatonica River	J-K	111	Permanent	2.3 / 0.8 (7.5 / 2.6)	Hard clay overlain with cobble and gravel		Absent	Central stoneroller, Redfin shiner, Bigmouth shiner, Bluntnose minnow, Creek chub, Freshwater drum *
Pecatonica River	N/A	N/A	Permanent	N/A	N/A	F1, F20, P21, P42	N/A	Carp, Bigmouth buffalo, Spotfin shiner, Golden Redhorse, Orangespotted sunfish **
Preston Creek	N/A	N/A	Permanent	N/A	N/A		N/A	N/A

(1) The above-referenced sheets are contained in Volume II (Exhibits

(A) Sections listed where the water resources cross the proposed routes.

(B) Designated Uses:

1 = Overall; 20 = Aquatic Life; 21 = Fish Consumption; 42 Swimming

Degree of Use Support:

F = Full; N = Nonsupport; P = Partial; X = Use was not assessed.

* Illinois Department of Transportation, March 2001. Ecological Resources Volume III (fish species rated by abundance)

** Illinois Department of Natural Resources, 2000. Fish collections from Mississippi North and Central Basin.

^{WL} Indicates Illinois Watch List Species

N/A = Not Applicable, Not Assigned

Source: Illinois Water Quality Report, 2002.